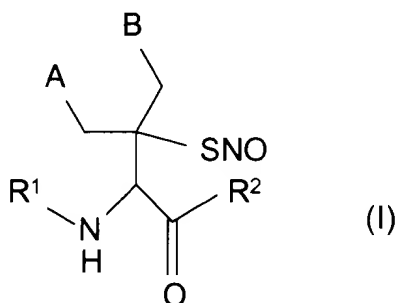


IN THE ABSTRACT

Please replace the Abstract with the following:

The present invention is directed to a S-nitrosothiol derivative of penicillamine or glutathione, of formula I:



or its pharmaceutically acceptable salt thereof, in which: A and B are independently phenyl groups or together form the group $-\text{CH}_2\text{-Q-CH}_2-$ constituting a six membered ring in which Q represents oxygen, sulfur, or a group N-R^3 , in which R^3 is hydrogen or a $\text{C}_1\text{-C}_4$ alkyl group; R^1 is an acyl group, which may be an aliphatic $\text{C}_1\text{-C}_5$ acyl group or an acyl group of glutamic acid bonded via its gamma carboxyl group; R^2 is a hydroxyl group or a glycine group bonded via a peptide bond; with the proviso that if R^1 is an aliphatic acyl group, then R^2 is a hydroxyl group, and if R^1 is a glutamic acid, then R^2 is a glycine group. The compounds have vasodilating activity and inhibit the aggregation of the platelets which make them useful for the treatment of dysfunctions of the circulating system, especially at the cardiovascular level. The present invention is also directed to pharmaceutical compositions containing same.